ABSTRACT OF THE DISCLOSURE

Assuming that inertia of ink in a flow passage is M, a viscosity resistance of the ink in the flow passage is R, and a return force of a meniscus in a nozzle when the ink is charged in the flow passage composed of a nozzle and a pressure generating chamber, the physical properties of the ink and the shape of the flow passage are set such that a relationship of $0.2 \leq \gamma^2/\omega^2 \leq 1.0$ is satisfied, where $\omega = \sqrt{K/M}$ and $\gamma = R/2M$.

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